

# Optics Engineering in the Information Age & UC Engineering Degrees in the Tri-Valley

**This lecture supports the California Content Standards**

- Physics, Grades 9-12, item 4: Waves have characteristic properties that do not depend on the type of wave.
- Radio waves, light and x-rays are different wavelength bands in the spectrum of electromagnetic waves.
- Identification of the characteristic properties of waves: interference (beats), diffraction, refraction, Doppler effect, and polarization.